

Claims:

1. A method for producing a stamp, a printing plate or the like with a surface containing the printing pattern which is produced by applying a liquid and hardenable material in layers on a substrate, characterized in that the application of the liquid and hardenable material in layers is carried out in print technology.
2. A method according to claim 1, characterized in that a bonding agent layer is applied on the substrate before the surface-forming material is applied.
3. A method according to claim 1 or 2, characterized in that additives are admixed to the surface-forming material prior to the printing procedure.
4. A method according to any one of claims 1 to 3, characterized in that the surface-forming material is heated before and/or during the printing procedure.
5. A method according to any one of claims 1 to 4, characterized in that hardening of the surface-forming

material is accelerated between the layer-wise application thereof.

6. A method according to claim 5, characterized in that the hardening is accelerated by cooling.

7. A method according to claim 5 or 6, characterized in that the hardening is effected by spraying with hardening agents.

8. A method according to any one of claims 1 to 7, characterized in that the amount of material applied can be metered.

9. A method according to claim 8, characterized in that the amount of material applied is reduced from layer to layer.

10. A method according to any one of claims 1 to 9, characterized in that a polymer is used as the surface-forming material.

11. A method according to any one of claims 1 to 9,

characterized in that liquid caoutchouc is used as the surface-forming material.

12. A method according to any one of claims 1 to 10, characterized in that a porous material is used as the surface-forming material.

13. A method according to any one of claims 1 to 12, characterized in that a glass plate is used as substrate.

14. A method according to any one of claims 1 to 13, characterized in that a carrier film of plastics is used as substrate.

15. A device for producing a stamp (1), a printing plate or the like, with a surface (3) containing the printing pattern (2), characterized in that a printing device (4) with at least one print head (5) movable several times over the surface (3) with at least one nozzle (6) is provided for printing the surface (3) in layers from a liquid and hardenable material (8).

16. A device according to claim 15, characterized in that the print head (5) comprises a heating means (14).

17. A device according to claim 15 or 16, characterized in that a mixing means (13) is provided for mixing the surface(3)-forming material (8).

18. A device according to any one of claims 15 to 17, characterized in that a cooling means is provided which preferably can be guided to follow the print head (5).

Q 19. A device according to claim 18, characterized in that the cooling means is formed by a blower or the like.

20. A device according to any one of claims 15 to 19, characterized in that a metering means is provided for metering the amount of material dispensed.

21. A device according to any one of claims 15 to 20, characterized in that the printing device (4) comprises an interface (16) for connection to a computing unit (15).